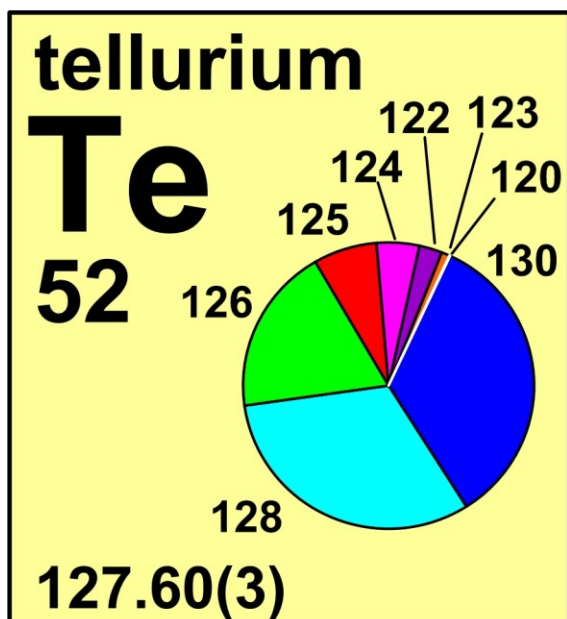
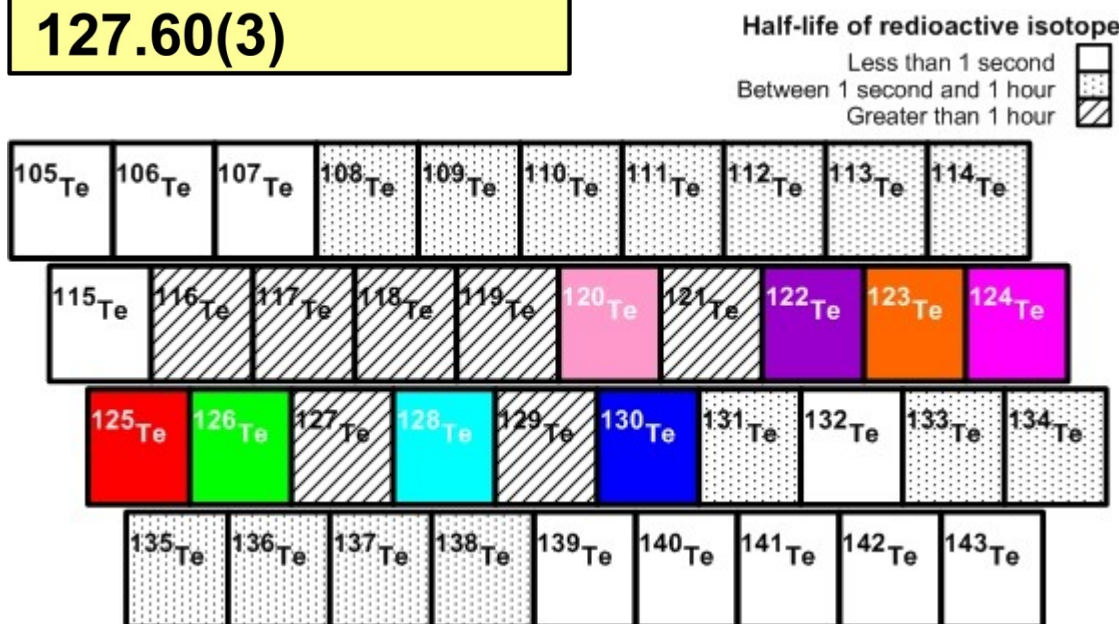


tellurium



Stable isotope	Atomic mass*	Mole fraction
^{120}Te	119.904 02	0.0009
^{122}Te	121.903 0439	0.0255
^{123}Te	122.904 27	0.0089
^{124}Te	123.902 8179	0.0474
^{125}Te	124.904 4307	0.0707
^{126}Te	125.903 3117	0.1884
^{128}Te	127.904 4631	0.3174
^{130}Te	129.906 2244	0.3408

* Atomic mass given in unified atomic mass units, u.



Important applications of stable and/or radioactive isotopes

Isotopes in medicine

- 1) ^{120}Te is used for the production of $^{120\text{g}}\text{I}$ which has an application as a PET and Beta emitting isotope.
- 2) ^{122}Te is used in the production of the radioisotope ^{122}I which is used in gamma imaging.
- 3) ^{123}Te is used for the production of radioactive ^{123}I which is used in thyroid imaging.
- 4) ^{124}Te is used for the production of both ^{123}I and the PET isotope ^{124}I .
- 5) ^{130}Te is used in the research into double Beta decay.

**Applications of tellurium isotopes are still being researched and this page will be updated shortly. **